

(12) **United States Patent**
Penna

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(54) **SURGICAL SUTURING INSTRUMENT**

(56) **References Cited**

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(51) **Int. Cl.**

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(57) **ABSTRACT**

A surgical suturing instrument including a handle assembly, an elongate member extending distally from the handle assembly and an end effector attached to the distal end of the elongate member. The end effector may include a first jaw member movable relative to a second jaw member between an open position and an approximated position for grasping tissue. Each of the jaw members define a knife slot, a first needle slot, and a second needle slot extending along a longitudinal axis of the end effector. The end effector also includes a knife assembly and an upper assembly pivotably coupled to an upper knife flange of the knife assembly. The upper assembly includes an upper bellcrank, a first needle, a first suture passing through a first aperture defined by the first needle, a second needle and a second suture passing through a second aperture defined by the second needle.

(52) **U.S. Cl.**

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